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TITLE: SHARED MEMORY SYSTEM

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ABSTRACT:

    PROBLEM TO BE SOLVED: To enable the use of virtual function
without damaging
the shared function of real memory while unnecessitating reference
structure
and address calculation with a pointer by fixing the address of
virtual
function table.

    SOLUTION: In a **shared memory** system in which plural application
processes
share the object of class having the virtual function of object
oriented
system, the addresses of processes 1 and 2 in the virtual function
table are
made equal in all the programs sharing the object. Therefore, the
class for
preparing the **shared object** while having the virtual function is
prepared as a
shared library fixing its load address. Thus, it is not necessary to
use any

special data structure for preparing a reference relation, and pointer
calculation for access is unnecessitated. Further, a page on the real memory
can be shared between processes and efficiency in the utilization of real
memory is improved.